

Title (en)
GAS TURBINE ENGINE AND TURBINE CONFIGURATIONS

Title (de)
GASTURBINENMOTOR UND TURBINENKONFIGURATIONEN

Title (fr)
MOTEUR À TURBINE À GAZ ET CONFIGURATIONS DE TURBINE

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Application
EP 16156375 A 20160218

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Abstract (en)
The present disclosure relates to gas turbine engines, and in particular high pressure turbine vane assemblies (110) and combustor/turbine interface configurations. In one embodiment, a vane assembly includes a plurality of turbine vanes (111), an inner diameter platform (112), wherein the leading edge (116) of the inner diameter platform is associated with a first axis (125), and an outer diameter platform (113), wherein the leading edge (114) of the outer diameter platform is associated with a second axis (120). The second axis may be offset from the first axis such that the outer platform extends away from the leading edge (115) of turbine vanes greater than the inner platform extends away from the leading edges. Another embodiment is directed to a gas turbine engine include a combustor (105) and a turbine vane assembly, wherein an inner diameter platform and outer diameter platform of the vane assembly interface with the combustor.

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Citation (search report)
• [XII] US 2009169369 A1 20090702 - MORGAN CLIVE ANDREW [US], et al
• [XII] EP 0615055 A1 19940914 - ROLLS ROYCE PLC [GB]
• [XII] EP 2642078 A2 20130925 - GEN ELECTRIC [US]
• [XII] EP 1607580 A2 20051221 - ROLLS ROYCE DEUTSCHLAND [DE]

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